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**Moustapha N Pemy\*** (mpemy@towson.edu), Mathematics Department, 8000 York Road,  
Towson, MD 21252. *Optimal Stopping of Markov Switching Lévy Processes.*

We consider a finite time horizon optimal stopping of a regime switching Lévy process. We prove that the value function of the optimal stopping problem can be characterized as the unique viscosity solution of the associated Hamilton-Jacobi-Bellman (HJB) variational inequalities. We apply our result in the investigation of the best selling time for financial securities in a regime-switching Lévy market. A numerical example is provided. (Received August 02, 2013)